



Adapt AD-350 New 54 channel GPS receiver



FEATURES

- **54 channels "All-In-View" tracking**
- **Cold/Warm/Hot start time: 30/28/1 sec. (average)**
- **Superior sensitivity: -159dBm tracking**
- **Support A-GPS function**
- Reacquisition time: 0.1 sec.
- Built-in ceramic patch antenna
- Built-in rechargeable Li-ion battery
- Support standard NMEA-0183 at 38400 bps baud rate
- Compatible with Bluetooth devices with Serial Port Profile (SPP)
- Ultra low power consumption: 17 hours continuous use to stand-by time more than one week by 950mAh battery
- Time to full recharge: within 3 hours
- **Vibration sensor for power management**
- 4 LEDs display GPS, Bluetooth, low power and charging status
- Size: 77.05 (L) X 46.10 (W) X 19.50 (H) mm
- Weight: 60g (battery included)
- Non-slip back pad for a secure placement



SPECIFICATIONS

Datum		
GPS Features		
Chipset	Skytraq low power chipset	WGS-84
Frequency	L1, 1575.42MHz	Dynamic Conditions
C/A Code	1.023MHz chip rate	Altitude < 18,000 m (60,000feet)
Channels	Supports 54 channels	Velocity < 515 m/s (1000 knots)
Antenna (Internal)	Built-in low noise antenna	Acceleration <4G
		Motional Jerk 20m/sec ³ max.
Sensitivity		
To – 159dBm	Tracking, Superior Urban Canyon	Communication Protocol: Communicate with host
Performance		platform via Bluetooth (class 2) serial port profile
Time to First Fix (TTFF)		
Cold Start	30 sec, average	Bluetooth communication distance 10meters (Typical)
Warm Start	28 sec, average	GPS Protocol: Default: NMEA-0183 - GGA, GSA, GSV,
Hot Start	1 sec, average	RMC; Skytraq Binary
Reacquisition	0.1 sec	Data bit: 8, stop bit: 1 (Default)
Update rate	1 Hz (std.)	Device Size and Weight
Accuracy		
Position	5m CEP without SA 10m 2D, RMS	77.05 (L) X 46.10 (W) X 19.50 (H) mm
Velocity	0.1m/sec, without SA	3.03 (L) X 1.81 (W) X 0.77 (H) inch
Time	1µs synchronized to GPS time	60g (battery included)
Power		
Built-in rechargeable	950mAh Li-ion battery and 5V	Accessories
DC input		Car charger (12V in, 5V output)
Operation Current	~55mA (Average)	AC adaptor (5.3V output, 500mA)
Operation Time	Up to 17hrs, fully charged, in continuous mode	Environmental Characteristics
Charging time	3.0hrs. (Typical)	Operating Temperature - 10°C to + 60°C Storage Temperature - 20°C to + 85°C

All specifications are subject to change without notice